



The Marwin Company, Inc.
P.O. Box 9126
Columbia, SC 29290
803-776-2396

**MATERIAL SAFETY
DATA SHEET**

PRODUCT: INTERIOR FLUSH DOORS

Effective Date: 08/2001

Synonyms: None

Description:

A door produced by laminating two flush skins made of hardboard or medium density fiberboard to stile and rail material [either wood or medium density fiberboard] using a poly-vinyl acetate adhesive. The core of these doors are blocked with core material that can be: wood particle board, expandable polystyrene, cardboard, solid wood or door trim.

Hardboard flush door skin components are produced from wood fiber, wax and phenol formaldehyde resin. Medium density fiberboard flush door skin components are made from wood fiber, wax and urea formaldehyde resin. Flush skins are finished with either a thin wood veneer or an artificial wood coating.

Physical Data:

Boiling Point	Not applicable
Specific Gravity	Variable [0.3 - 0.6]
Vapor density	Not applicable
% Volatiles by volume	Not applicable
Vapor Pressure	Not applicable
Solubility in H ₂ O [% by wt.]	Insoluble
pH	Not applicable
Appearance and odor	Flush doors have a wood look finish on the surface wooden or painted medium density fiberboard stiles and uncoated medium density fiberboard rails.

Fire and Explosion Data:

Flash point	Not applicable
Autoignition temperature	Variable [typically 400 - 500°F]
Extinguishing media	Water, CO ₂ and Sand

Health Effects Information:

Skin and Eye contact	Not applicable
Ingestion	Not applicable
Skin Absorption	Not applicable
Formaldehyde Exposure limits	<0.3_ppm_recorded
<i>Formaldehyde exposure limits: a) action /eve/ is 0.5 ppm</i>	
<i>b) PEL is 0.75 ppm</i>	
<i>c) STEL is 2.0 ppm for 15 minutes</i>	

Precautions and Safe Handling:

Avoid open flames and other potential ignition sources.

Dispose of as typical wood waste with the exception of gypsum core doors which should be deposited as solid land fill.

Note: if the door is re-worked and in a way that creates wood dust the Marwin MSDS for wood dust should be referenced.

Reactivity Data:

Conditions contributing to instability	Stable under normal conditions
Incompatibility	Avoid contact with oxidizing agents and drying oils. Avoid open flame [product will ignite at temperatures >400°F).
Hazardous decomposition products	Thermal-oxidative degradation of wood produces irritating and toxic fumes and gases, including CO, aldehydes and inorganic acids.
Conditions contributing to polymerization	Not applicable

Emergency and First Aid Procedures:

Eyes	Not applicable
Skin	Not applicable
Inhalation	Not applicable
Ingestion	Not applicable

Note: if the door is re-worked and in a way that creates wood dust the Marwin MSDS for wood dust should be referenced.

Spill / Leak Clean-up Procedures:

If the products is reworked and wood dust is created this should be swept or vacuumed for recovery or disposal; avoid creating dust conditions. Provide good ventilation when dust conditions may occur. Place recovered wood dust in a container for proper disposal.

The Marwin MSDS for wood dust should be referenced.

Note: Some products may have the potential for containing additives or treatments in quantities of less than one tenth of one percent. This may include formaldehyde. Normal use of these products constitutes minimal to no hazard from these materials.

Important:

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration and verification. The supplier makes no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information herein. The supplier will not be liable for claims relating to any party's use or reliance on information and data herein regardless of whether it is claimed that the information and data are accurate, incomplete or otherwise misleading.



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MATERIAL SAFETY DATA SHEET

PRODUCT: INTERIOR MOLDED DOORS

Effective Date: 08/2001

Synonyms: None

Synonyms Description:

A door produced by laminating two fiber molded door skins to stile and rail material [either wood or medium density fiberboard] using a poly-vinyl acetate adhesive. The core of these doors is blocked with core material that can be: wood particle board, expandable polystyrene, cardboard, solid wood or door trim.

Molded flush door skins are produced from wood fiber, wax and urea formaldehyde resin. They are painted with a water based primer.

Physical Data:

Boiling Point	Not applicable
Specific Gravity	Variable [0.3 - 0.6]
Vapor density	Not applicable
% Volatiles by volume	Not applicable
Vapor Pressure	Not applicable
Solubility in H ₂ O [% by wt.]	Insoluble
pH	Not applicable
Appearance and odor	The surface and stile finish of molded doors is white with uncoated Medium density fiberboard rails. The surface can be smooth or Embossed with a wood grain.

Fire and Explosion Data:

Flash point	Not applicable
Autoignition temperature	Variable [typically 400 - 500°F]
Extinguishing media	Water, CO ₂ and Sand

Health Effects Information:

Skin and Eye contact	Not applicable
Ingestion	Not applicable
Skin Absorption	Not applicable
Formaldehyde Exposure limits	<0.3_ppm_recorded
<i>Formaldehyde exposure limits: a) action /eve/ is 0.5 ppm</i>	
<i>d) PEL is 0.75 ppm</i>	
<i>e) STEL is 2.0 ppm for 15 minutes</i>	

Precautions and Safe Handling:

Avoid open flames and other potential ignition sources.

Dispose of as typical wood waste with the exception of gypsum core doors which should be deposited as solid land fill.

Note: if the door is re-worked and in a way that creates wood dust the Marwin MSDS for wood dust should be referenced.

Reactivity Data:

Conditions contributing to instability	Stable under normal conditions
Incompatibility	Avoid contact with oxidizing agents and drying oils. Avoid open flame [product will ignite at temperatures >400°F).
Hazardous decomposition products	Thermal-oxidative degradation of wood produces irritating and toxic fumes and gases, including CO, aldehydes and inorganic acids.
Conditions contributing to polymerization	Not applicable

Emergency and First Aid Procedures:

Eyes	Not applicable
Skin	Not applicable
Inhalation	Not applicable
Ingestion	Not applicable

Note: if the door is re-worked and in a way that creates wood dust the Marwin MSDS for wood dust should be referenced.

Spill / Leak Clean-up Procedures:

If the products is reworked and wood dust is created this should be swept or vacuumed for recovery or disposal; avoid creating dust conditions. Provide good ventilation when dust conditions may occur. Place recovered wood dust in a container for proper disposal.
The Marwin MSDS for wood dust should be referenced.

Note: Some products may have the potential for containing additives or treatments in quantities of less than one tenth of one percent. This may include formaldehyde. Normal use of these products constitutes minimal to no hazard from these materials.

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**MATERIAL SAFETY
DATA SHEET**

PRODUCT: INTERIOR SOLID CORE DOORS

Effective Date: 08/2001

Synonyms: None

Description:

A door produced by laminating two door skins [molded or flush] to stile and rail material [either wood or medium density fiberboard] using a poly-vinyl acetate adhesive. The center of these doors are solid and filled with either wood particle board or gypsum board.

Molded door skin components are produced from wood fiber, wax and urea formaldehyde resin. They are painted with a water based primer. Flush MDF door skins are made from wood fiber, wax and urea formaldehyde resin, flush hardboard skins are made from wood fiber, wax and phenol formaldehyde resin. Flush plywood skins are made from wood veneers and phenol formaldehyde resin. Flush doors are finished with either a thin wood veneer or an artificial wood coating.

Physical Data:

Boiling Point	Not applicable
Specific Gravity	Variable [0.5 – 1.5]
Vapor density	Not applicable
% Volatiles by volume	Not applicable
Vapor Pressure	Not applicable
Solubility in H ₂ O [% by wt.]	Insoluble
pH	Not applicable
Appearance and odor	The surface and stile finish of molded Solid Core doors is white with uncoated medium density fiberboard rails. Flush doors have a wood look finish on the surface and wood stiles and uncoated medium density fiber board rails.

Fire and Explosion Data:

Flash point	Not applicable
Autoignition temperature	Variable [typically 400 - 500°F]
Extinguishing media	Water, CO ₂ and Sand

Health Effects Information:

Skin and Eye contact	Not applicable
Ingestion	Not applicable
Skin Absorption	Not applicable
Formaldehyde Exposure limits	<0.3_ppm_recorded
<i>Formaldehyde exposure limits: a) action /eve/ is 0.5 ppm</i>	
<i>f) PEL is 0.75 ppm</i>	
<i>g) STEL is 2.0 ppm for 15 minutes</i>	

Precautions and Safe Handling:

Avoid open flames and other potential ignition sources.

Dispose of as typical wood waste with the exception of gypsum core doors which should be deposited as solid land fill.

Note: if the door is re-worked and in a way that creates wood dust the Marwin MSDS for wood dust should be referenced.

Reactivity Data:

Conditions contributing to instability	Stable under normal conditions
Incompatibility	Avoid contact with oxidizing agents and drying oils. Avoid open flame [product will ignite at temperatures >400°F).
Hazardous decomposition products	Thermal-oxidative degradation of wood produces irritating and toxic fumes and gases, including CO, aldehydes and inorganic acids.
Conditions contributing to polymerization	Not applicable

Emergency and First Aid Procedures:

Eyes	Not applicable
Skin	Not applicable
Inhalation	Not applicable
Ingestion	Not applicable

Note: if the door is re-worked and in a way that creates wood dust the Marwin MSDS for wood dust should be referenced.

Spill / Leak Clean-up Procedures:

If the products is reworked and wood dust is created this should be swept or vacuumed for recovery or disposal; avoid creating dust conditions. Provide good ventilation when dust conditions may occur. Place recovered wood dust in a container for proper disposal.
The Marwin MSDS for wood dust should be referenced.

Note: Some products may have the potential for containing additives or treatments in quantities of less than one tenth of one percent. This may include formaldehyde. Normal use of these products constitutes minimal to no hazard from these materials.

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